

1/15

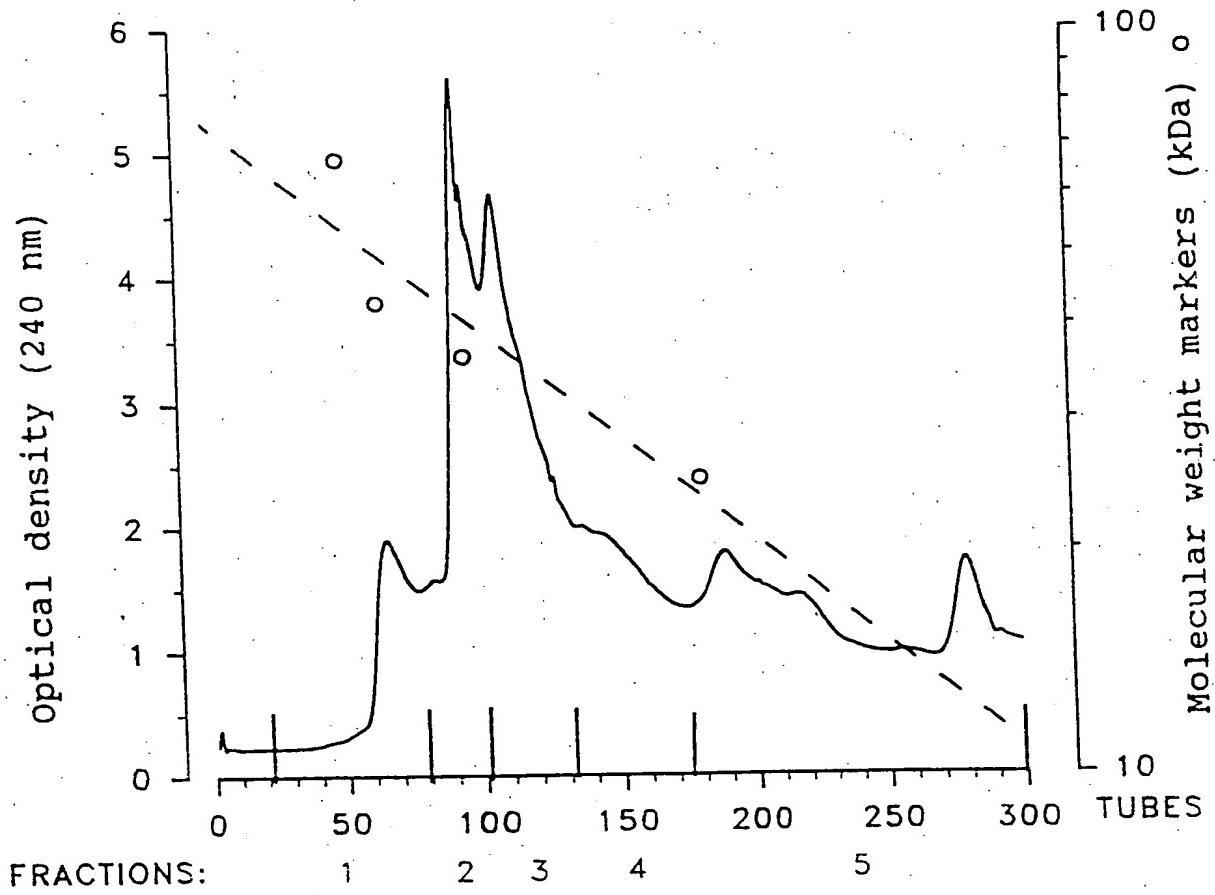


FIGURE 1

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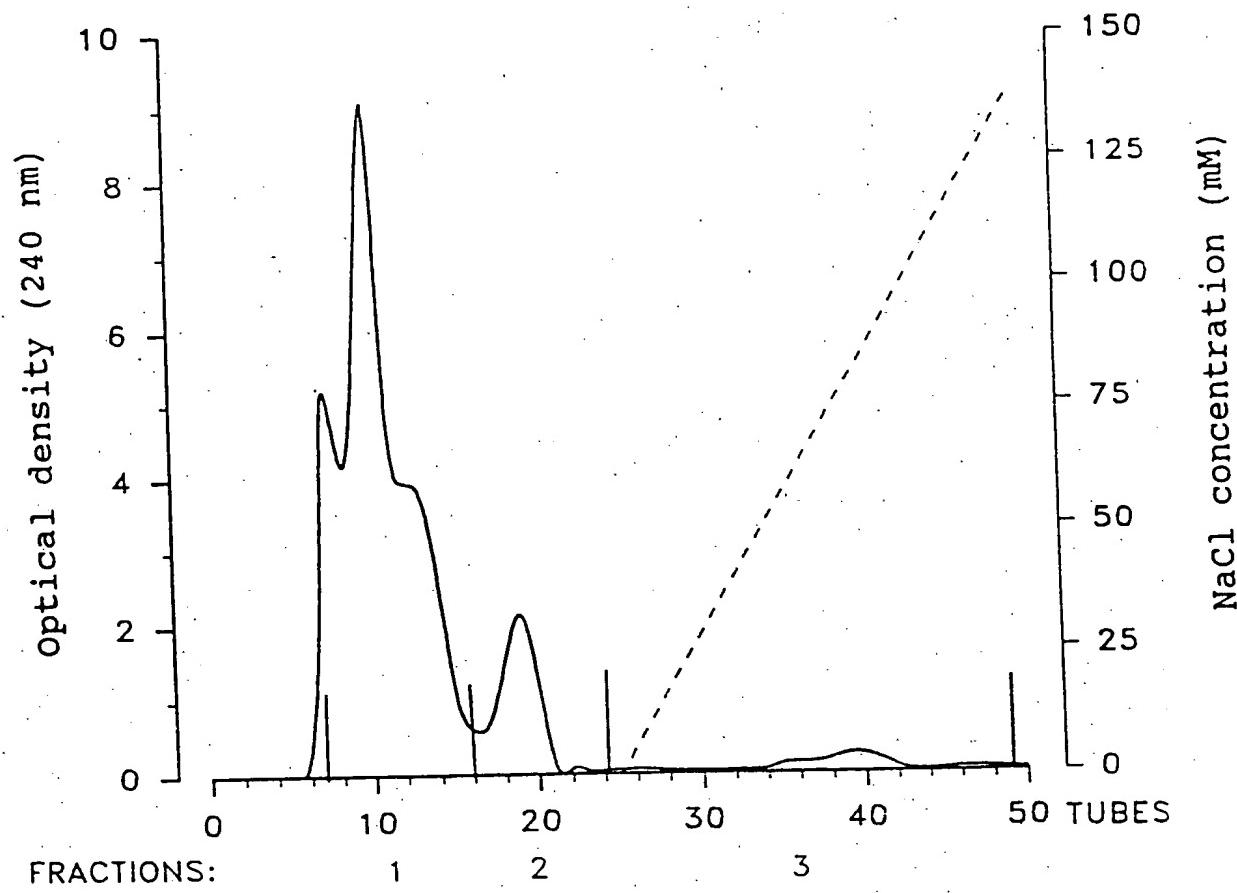


FIGURE 2

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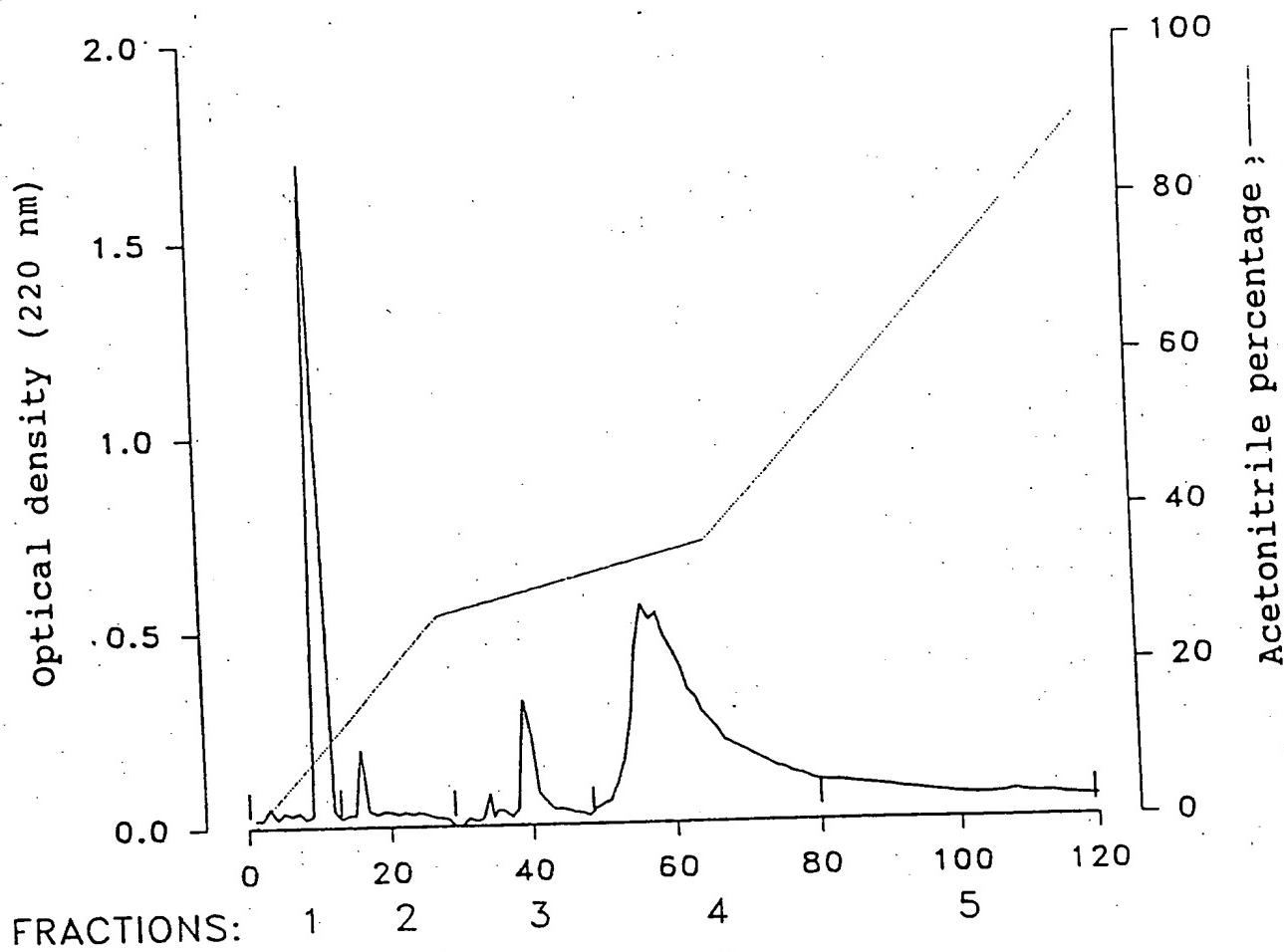


FIGURE 3

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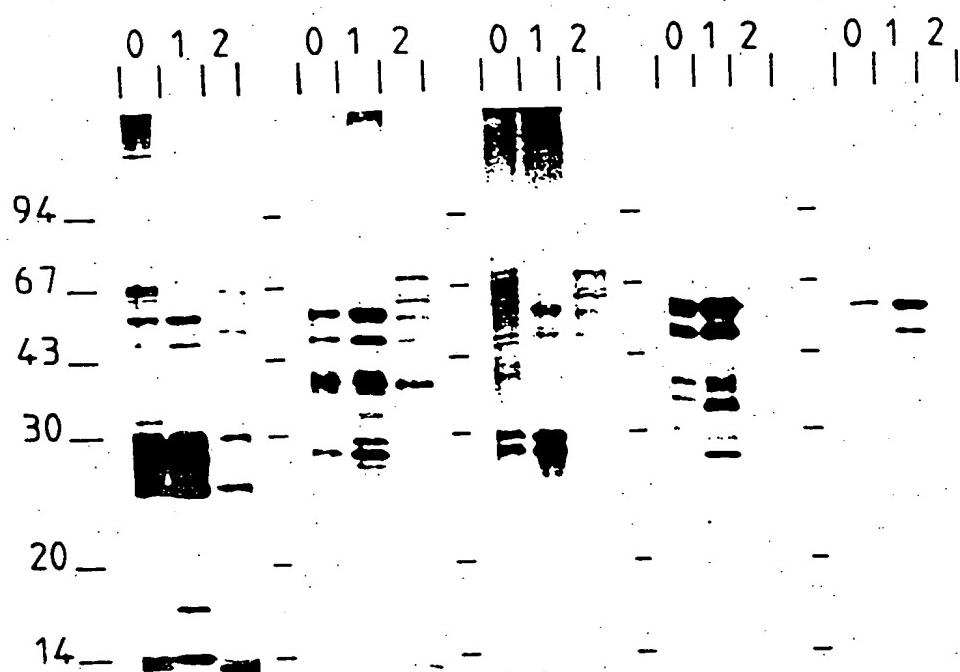


FIG.4A FIG.4B FIG.4C FIG.4D FIG.4E

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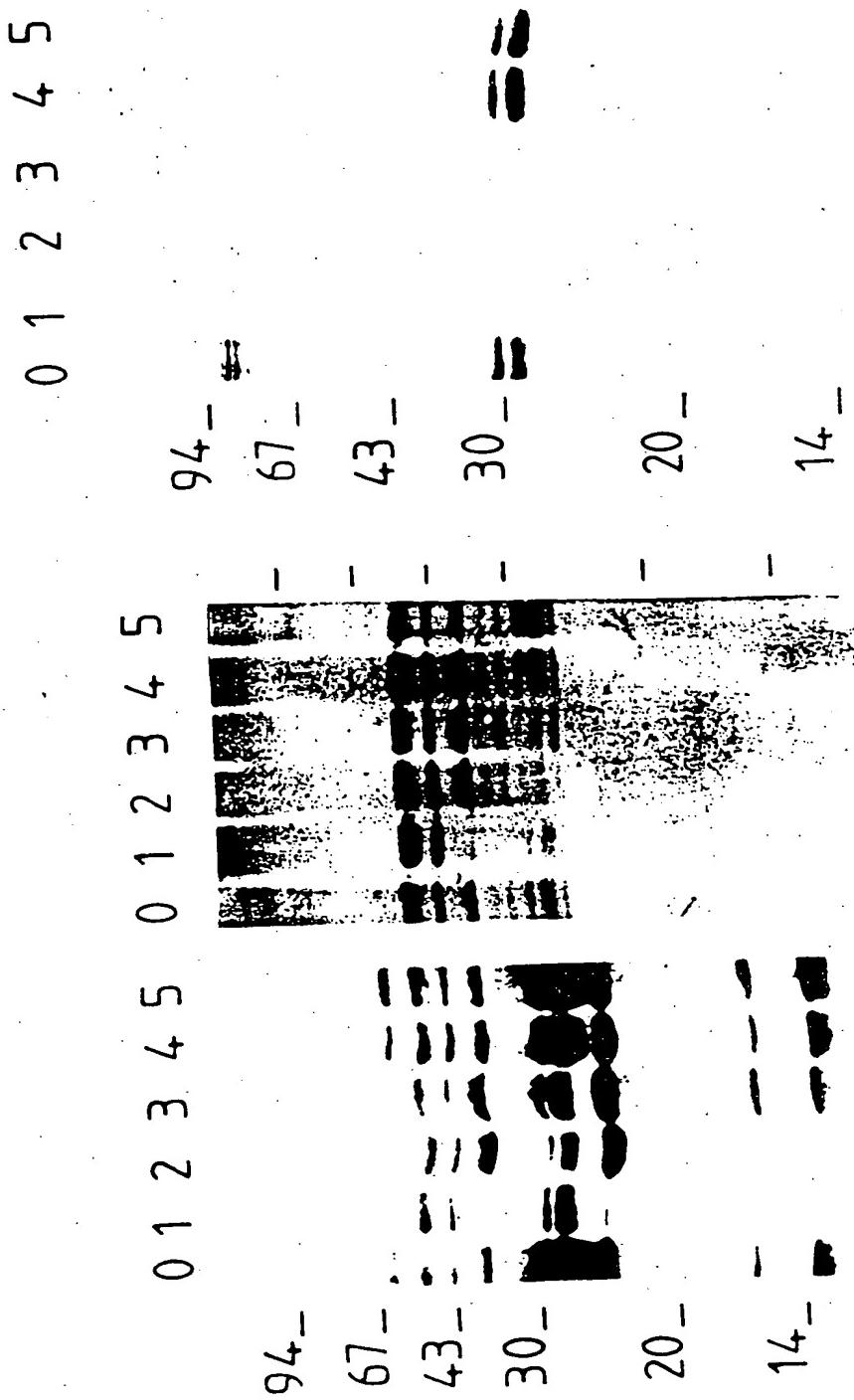


FIG. 5A

FIG. 5B

FIG. 5C

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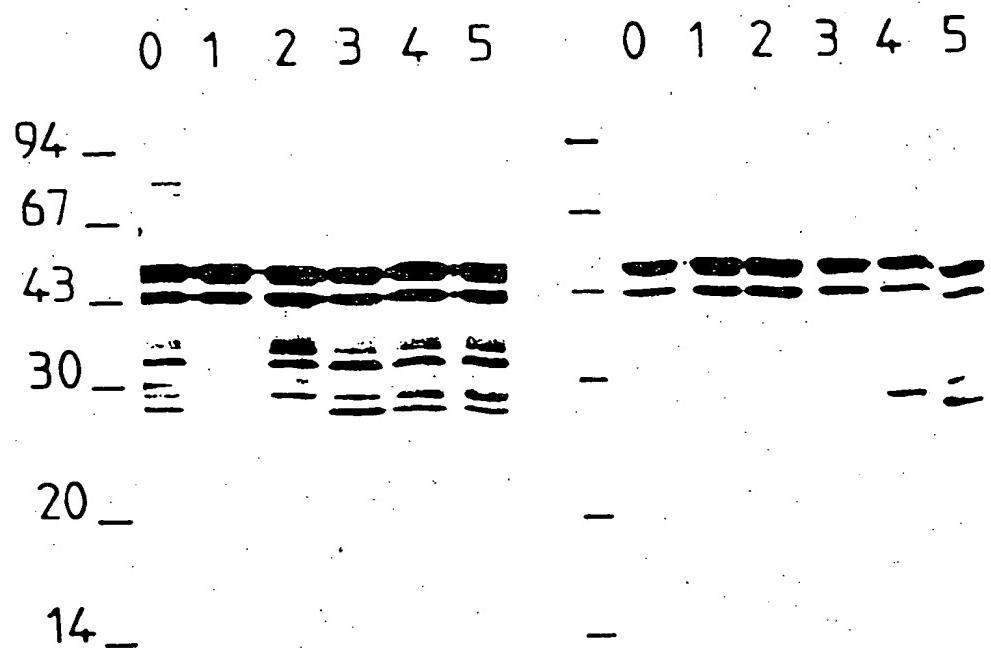
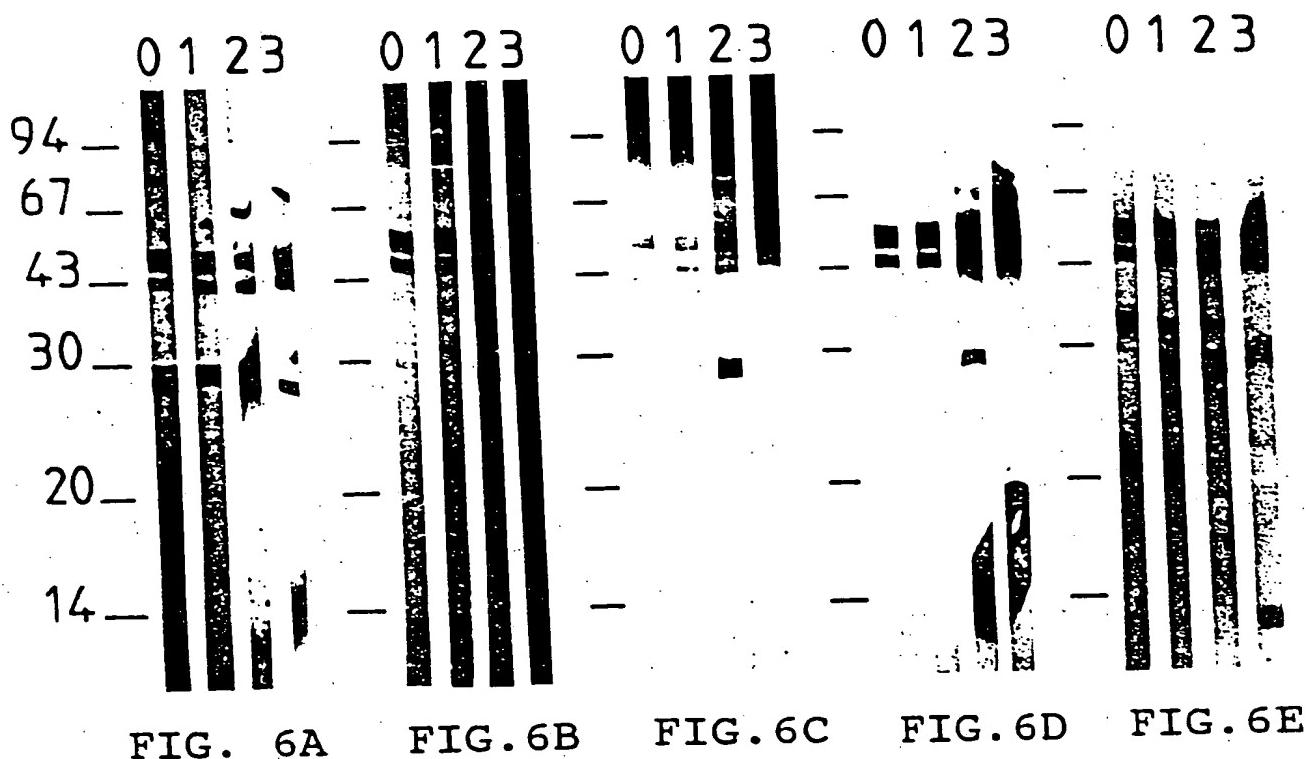


FIG.5D

FIG.5E

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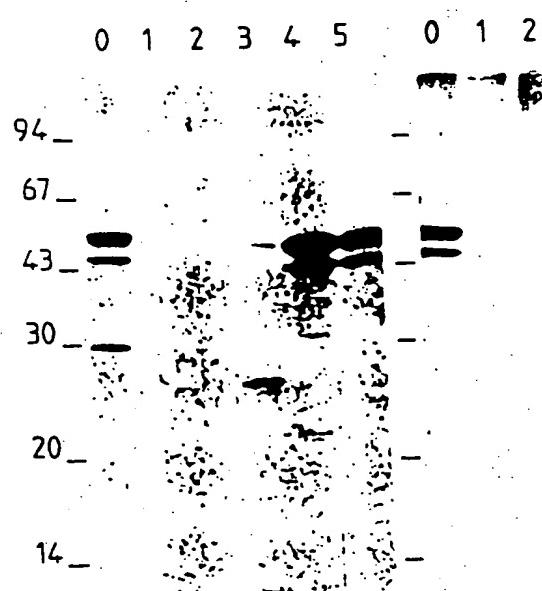


FIG. 7A

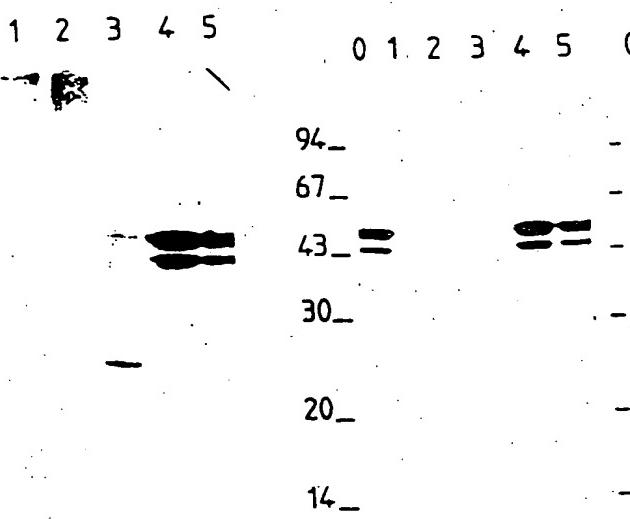


FIG. 7B

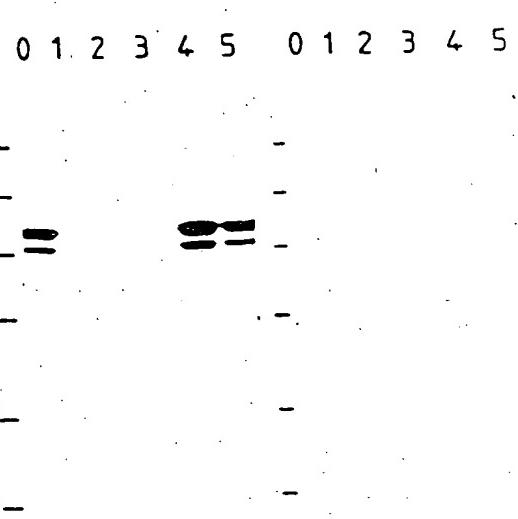
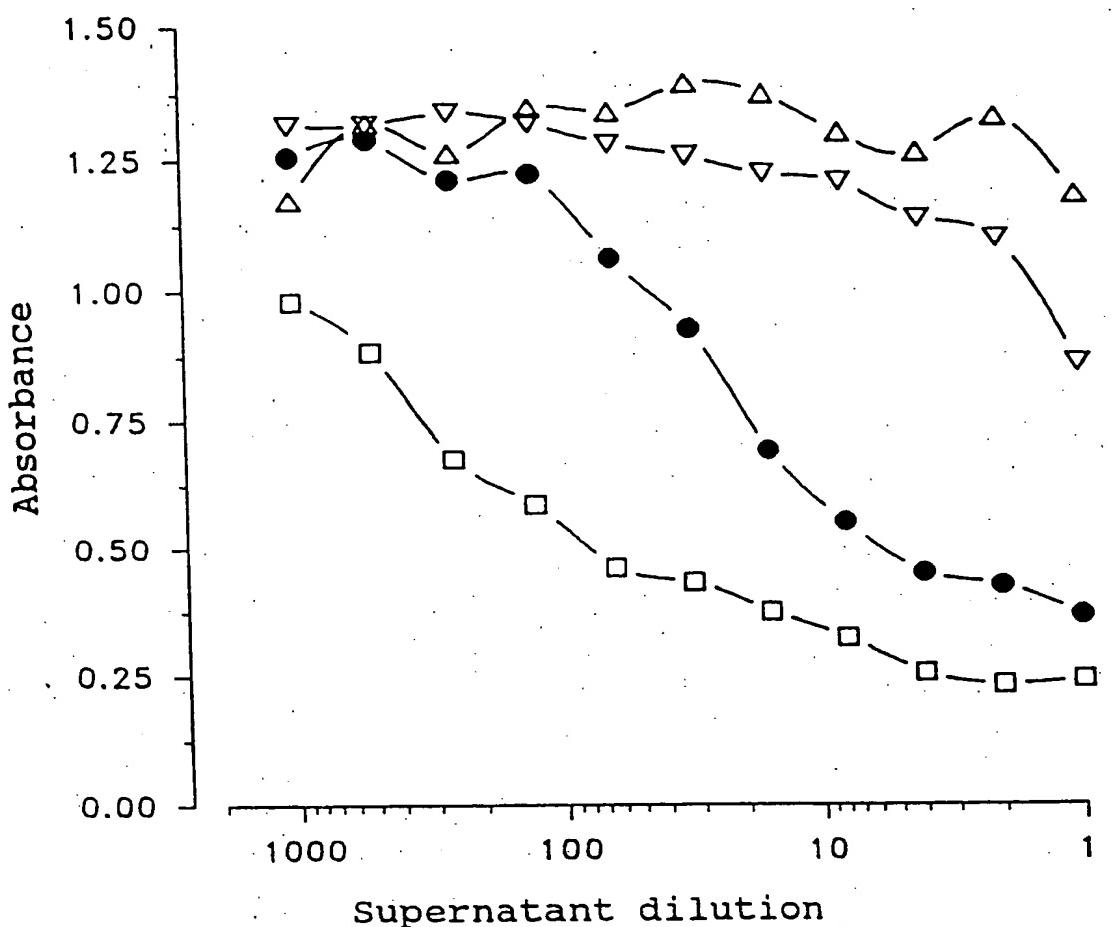


FIG. 7C      FIG. 7D

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- - Supernatant from *M. bovis* BCG
- △ - Supernatant from non-transformed *M. smegmatis*
- - Supernatant from *M. smegmatis* transformed by a recombinant clone able to express recombinant proteins recognized by the antibodies
- ▽ - Supernatant from *M. smegmatis* transformed by a recombinant clone not expressing recombinant proteins recognized by the antibodies

FIGURE 8

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FIGURE 9

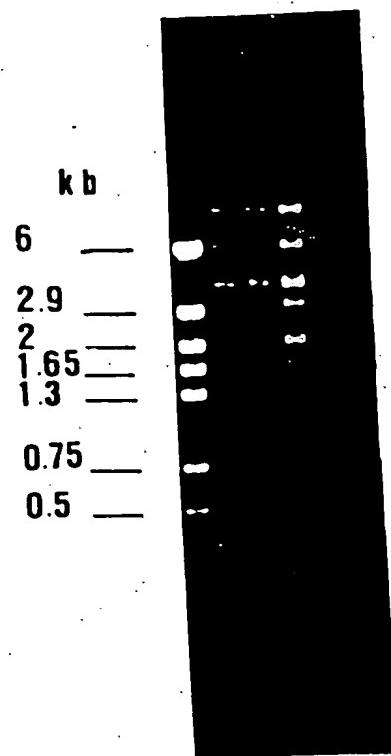
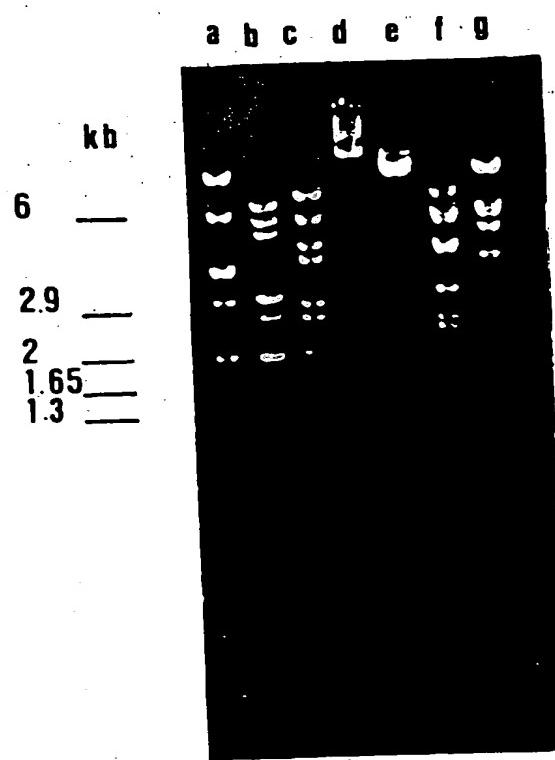


FIGURE 10



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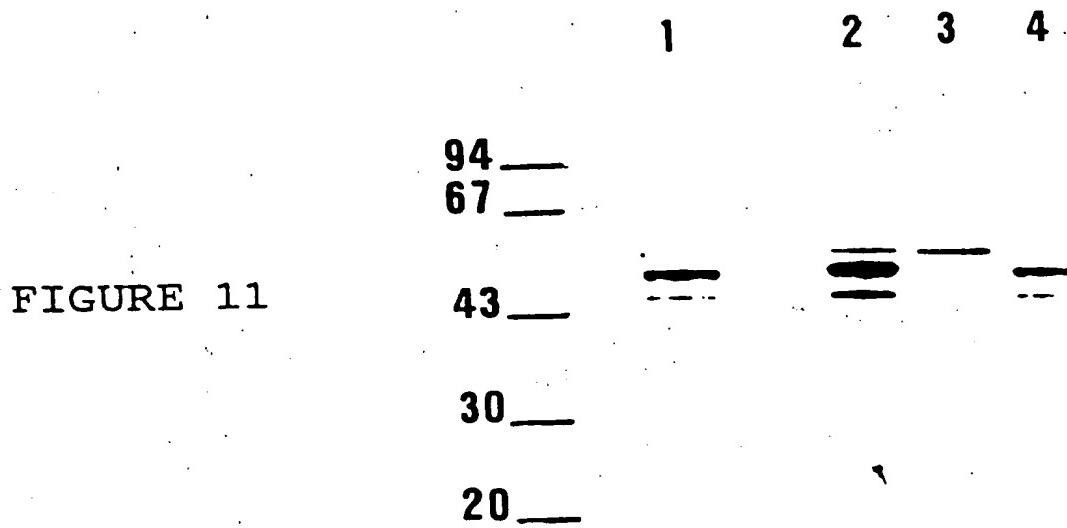
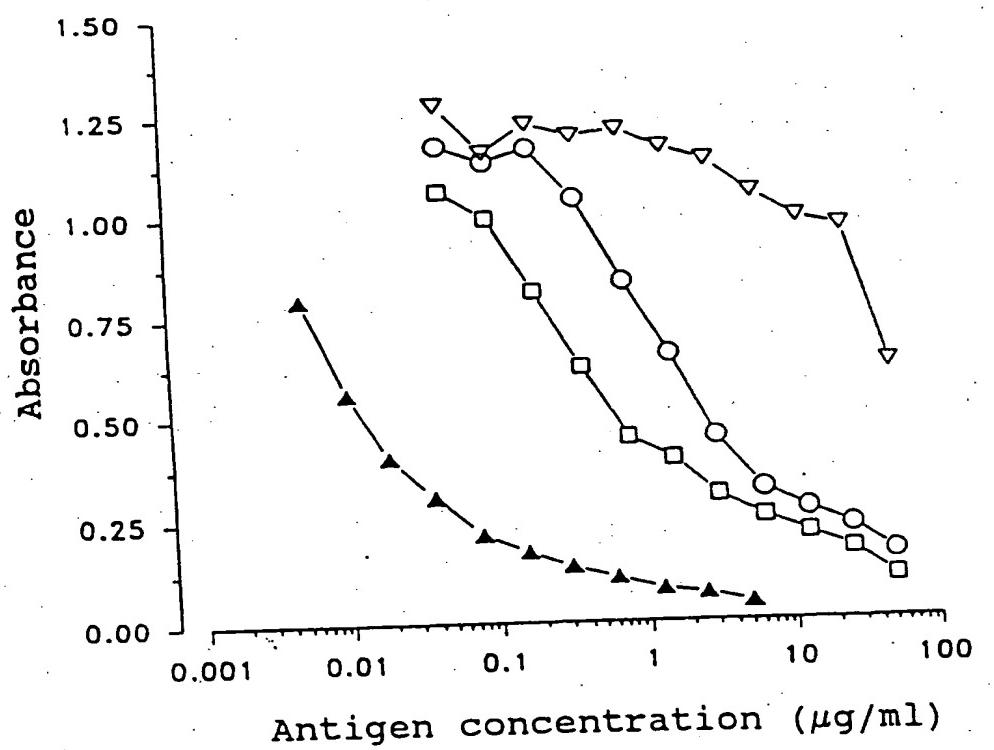


FIGURE 12



- ▲ - Purified 45/47 kDa proteins
- - Supernatant from *M. smegmatis* transformed by pLA1
- - Supernatant from *M. bovis* BCG
- ▽ - Supernatant from non-transformed *M. smegmatis* mc<sup>2</sup>155

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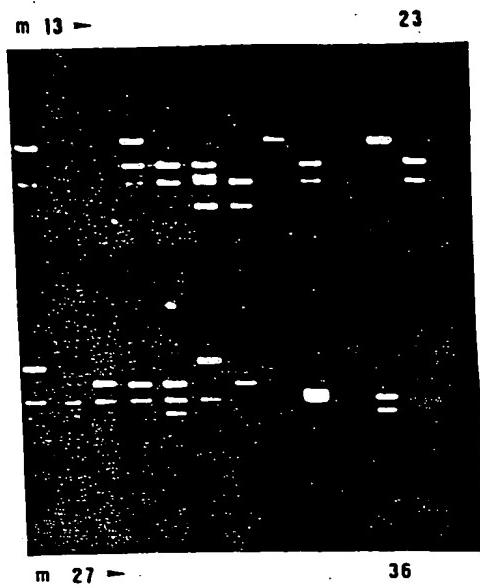
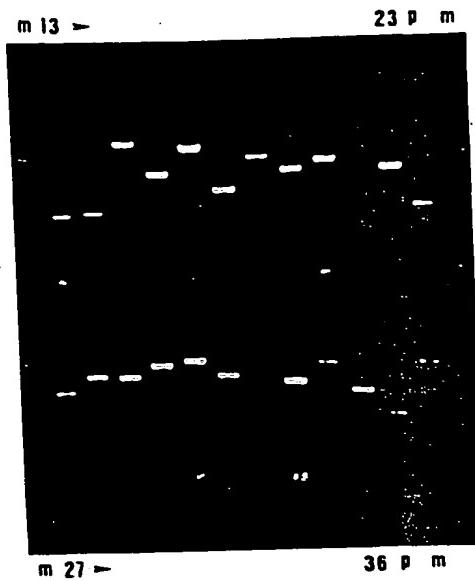


FIGURE 13A

FIGURE 13B

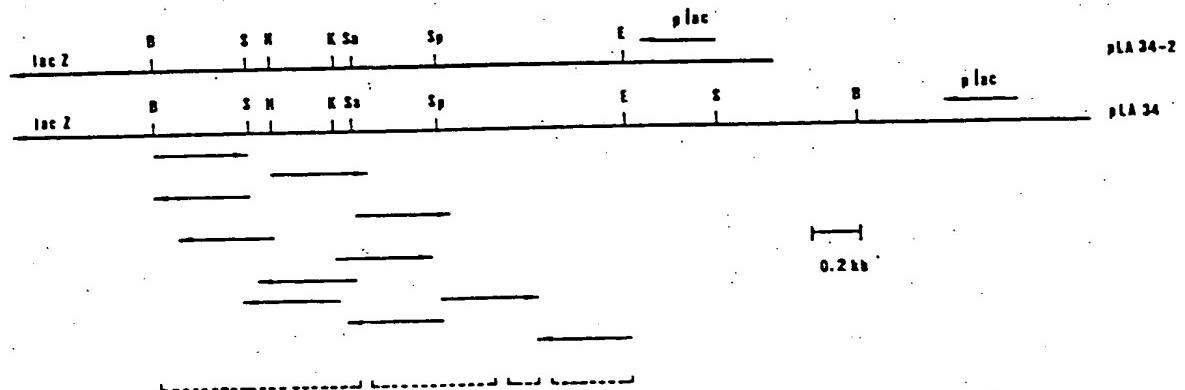


FIGURE 14

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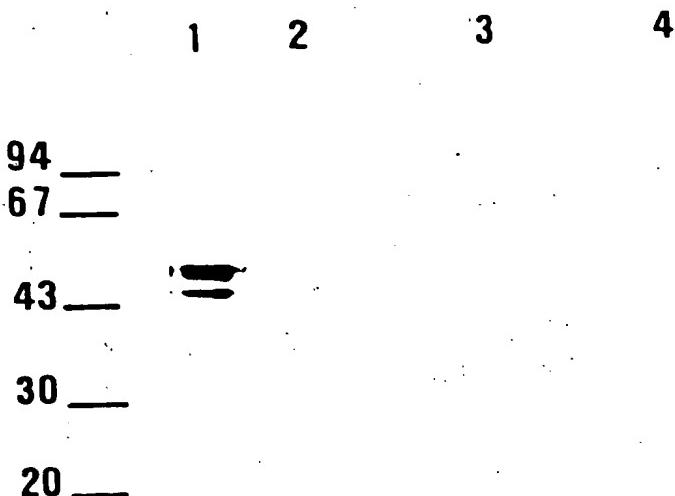
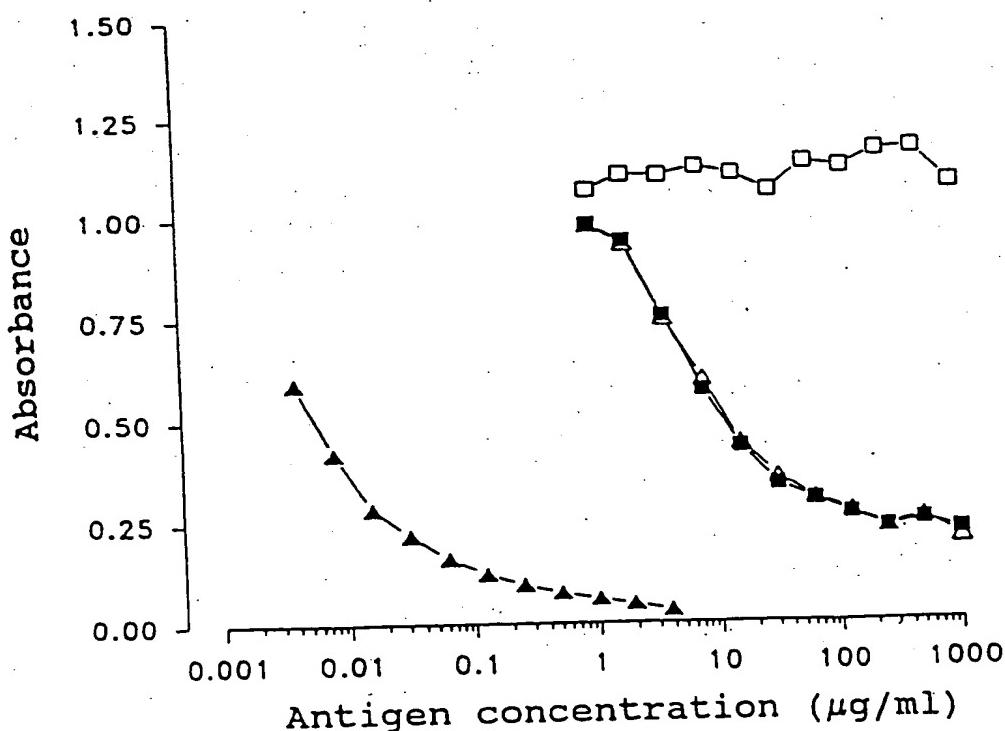


FIGURE 15

FIGURE 16



- ▲ Purified 45/47 kDa proteins
- Lysate from E. coli XL1-Blue transformed by pLA34
- △ Lysate from E. coli XL1-Blue transformed by pLA34-2
- Lysate from non-transformed E. coli XL1-Blue

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1 10 20 30  
SEQ ID2 MHQVDPNLTRXKGRLAALAIAMASASLTVXVPAT  
mln431 XKNPQPQHKQAVLASQXXHGRFVAMNQVLDSTHRKGLWAILAIAVVASASAFTMPFRAA.  
10 20 30 40 50 60

40 50 60 70 80 90  
SEQ ID2 ANADPEPAPPVP|TAASPPSTAAPPAPATPVAPPPPAAANTPNAQPGDPNAAPPADPN  
mln431 ANADPAPL-----PPSTATAAPSPAQEIIITPLPGAPVSSEAQPGDPNA--PSLDPN  
70 80 90 100

100 110 120 130 140 150  
SEQ ID2 APPPPVIAPNAPQPVRIDNPVGGFSFALPAGWVESDAAHFDYGSALLSKTTGDPPFGQP  
mln431 APYPLAVDPNA---GRITNAVGGFSFVL PAGWVESEASHLDYGSVLLSKAIEQPPVLGQP  
110 120 130 140 150 160

160 170 180 190 200 210  
SEQ ID2 PPVANDTRIVLGRLDQKLYASAEATDSKAAARLGSDMGEFYMPY PGTRINQETVSLDANG  
mln431 TVVATDTRIVLGRLDQKLYASAEADNIKAAVRLGSDMGEFYLPY PGTRINQETIPLHANG  
170 180 190 200 210 220

220 230 240 250 260 270  
SEQ ID2 VSGSASYYEVKFSDPSKPNGQIWTGVIGSPAANAPDAGPPQRWFVVWLGTANNPVDKGAA  
mln431 IAGSASYYEVKFSDPNKPIGQICTSVVGSPAASPDVVGPSQRWFVVWLGTNNPVDKGAA  
230 240 250 260 270 280

280 290 300 310 320  
SEQ ID2 KALAESIRPLVAPPAPAPAPAEPAPAPAPAGEVAPTPPTPQRTLPAX  
mln431 KELAESIRSEMAPIPASVAPVGXAIRHPLRCHCGPCFLDPPPAAEQTTVDNRHSSVYT  
290 300 310 320 330 340

FIGURE 17

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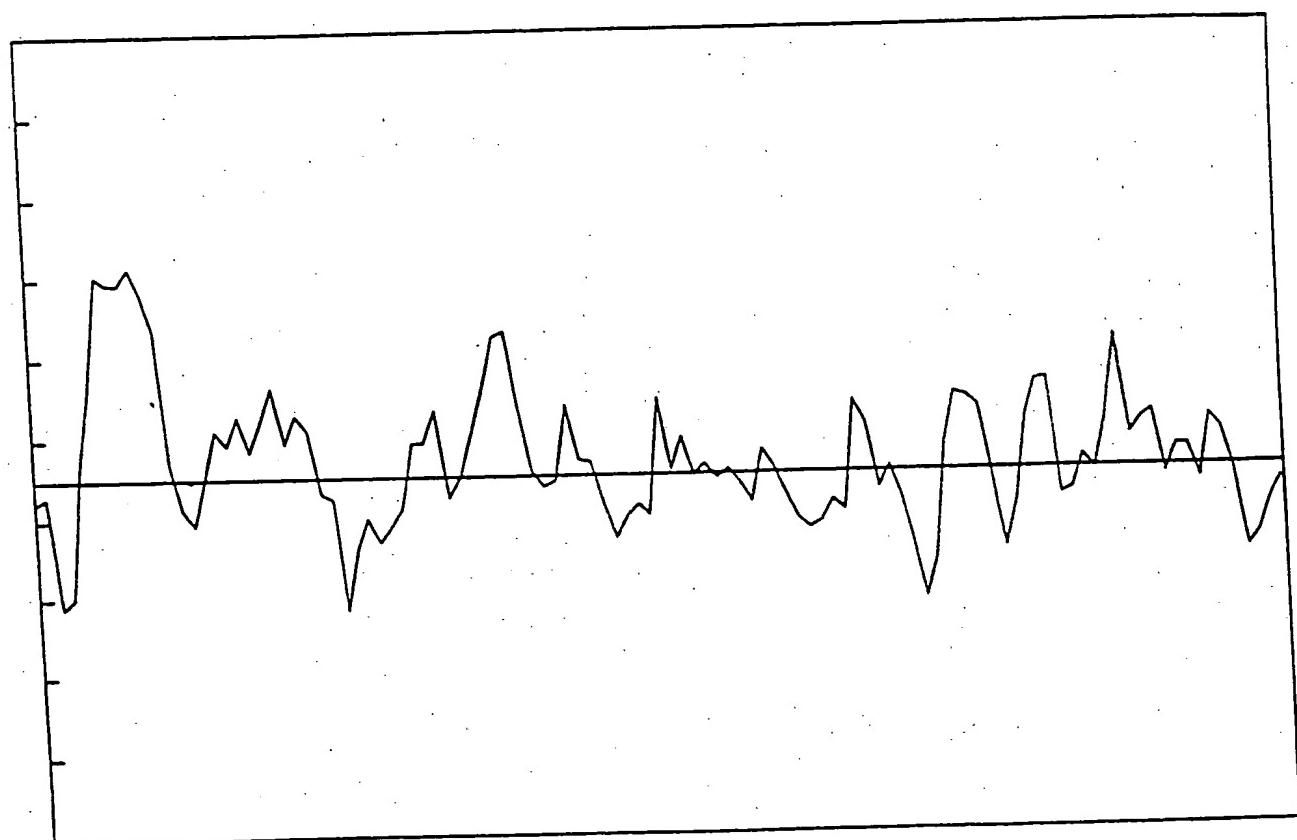


FIGURE 18

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